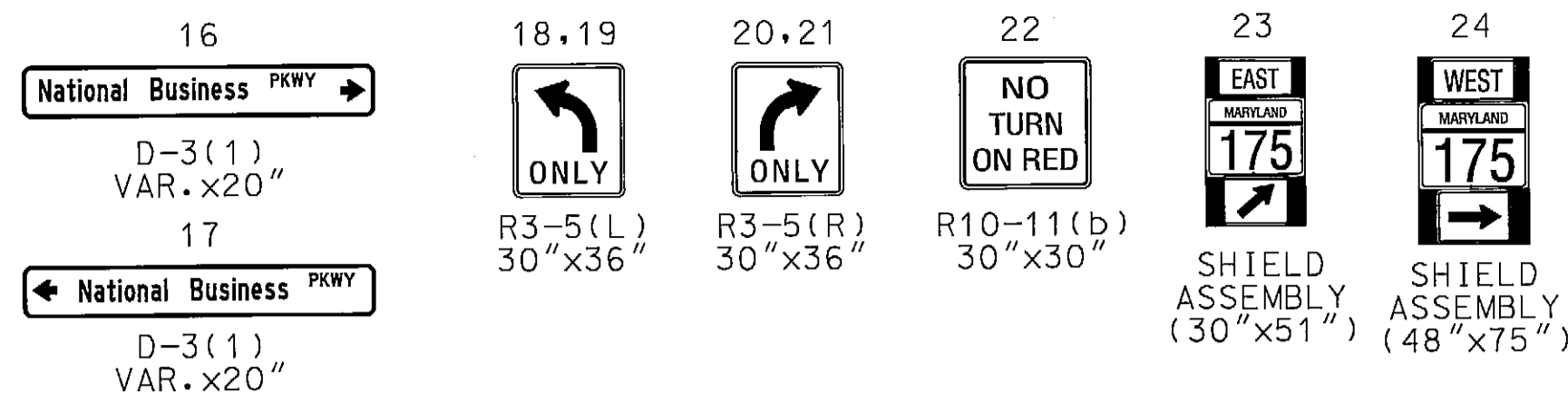
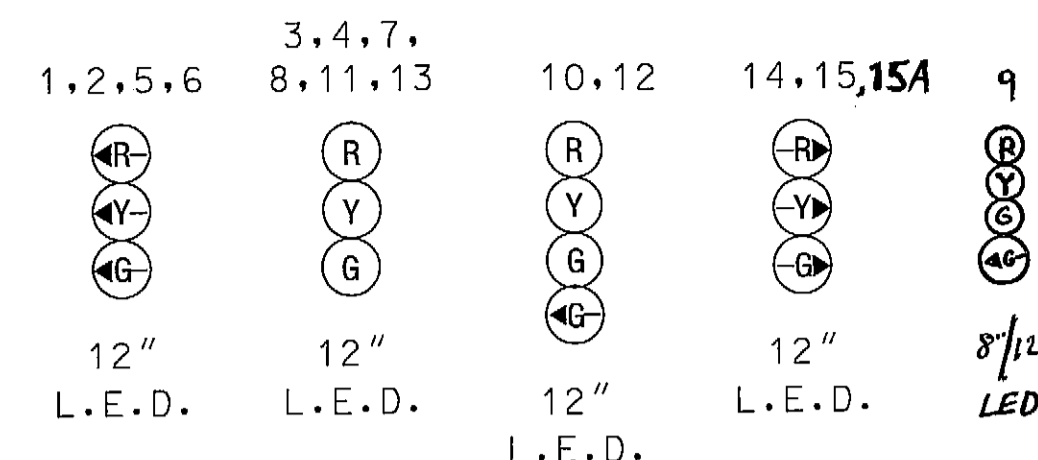


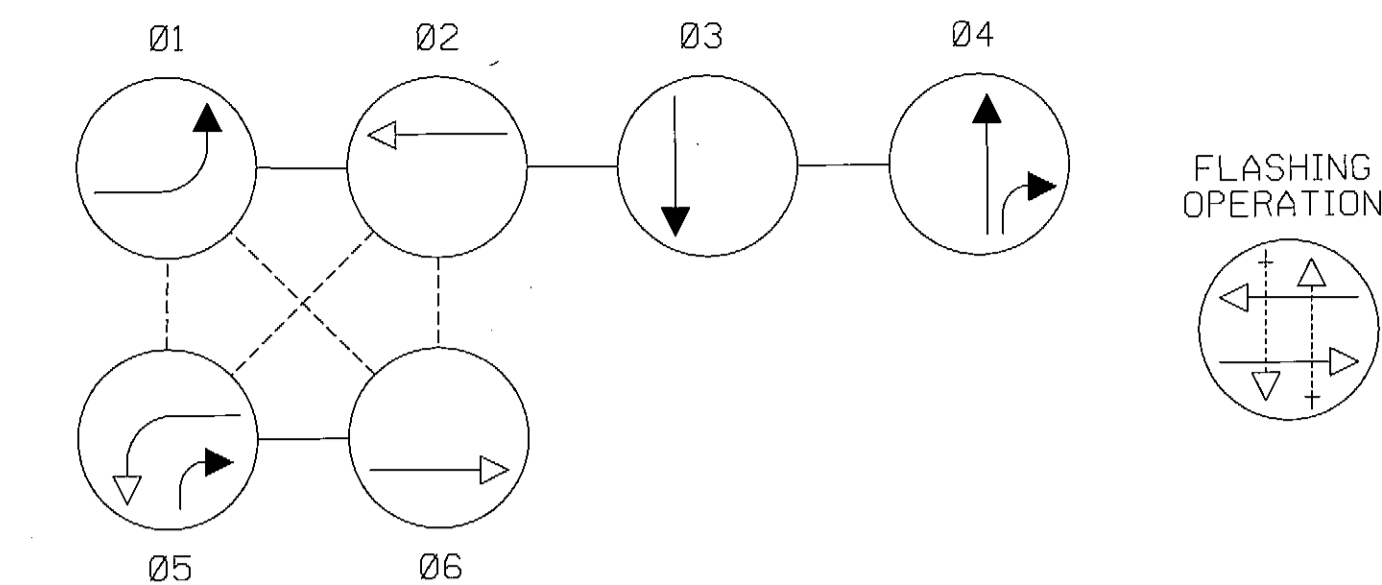
#### PROPOSED SIGNS



#### PROPOSED SIGNALS



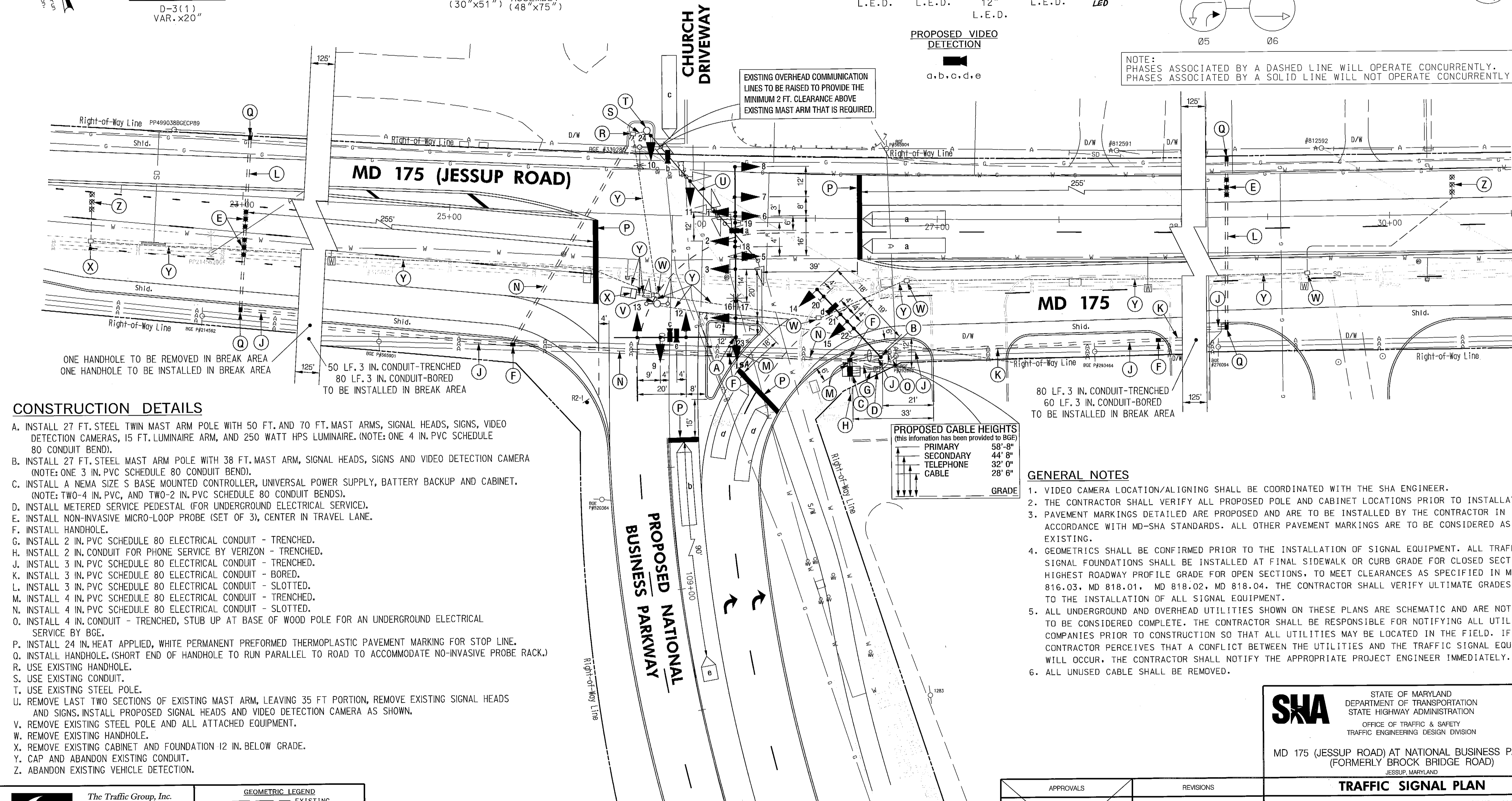
#### NEMA PHASING



NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

#### PROPOSED VIDEO DETECTION

a, b, c, d, e



#### CONSTRUCTION DETAILS

- INSTALL 27 FT. STEEL TWIN MAST ARM POLE WITH 50 FT. AND 70 FT. MAST ARMS, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, 15 FT. LUMINAIRE ARM, AND 250 WATT HPS LUMINAIRE. (NOTE: ONE 4 IN. PVC SCHEDULE 80 CONDUIT BEND).
- INSTALL 27 FT. STEEL MAST ARM POLE WITH 38 FT. MAST ARM, SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERA. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- INSTALL A NEMA SIZE S BASE MOUNTED CONTROLLER, UNIVERSAL POWER SUPPLY, BATTERY BACKUP AND CABINET. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- INSTALL METERED SERVICE PEDESTAL (FOR UNDERGROUND ELECTRICAL SERVICE).
- INSTALL NON-INVASIVE MICRO-LOOP PROBE (SET OF 3), CENTER IN TRAVEL LANE.
- INSTALL HANDHOLE.
- INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 2 IN. CONDUIT FOR PHONE SERVICE BY VERIZON - TRENCHED.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- INSTALL 4 IN. CONDUIT - TRENCHED, STUB UP AT BASE OF WOOD POLE FOR AN UNDERGROUND ELECTRICAL SERVICE BY BGE.
- INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- INSTALL HANDHOLE. (SHORT END OF HANDHOLE TO RUN PARALLEL TO ROAD TO ACCOMMODATE NO-INVASIVE PROBE RACK).
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- USE EXISTING STEEL POLE.
- REMOVE LAST TWO SECTIONS OF EXISTING MAST ARM, LEAVING 35 FT. PORTION, REMOVE EXISTING SIGNAL HEADS AND SIGNS. INSTALL PROPOSED SIGNAL HEADS AND VIDEO DETECTION CAMERA AS SHOWN.
- REMOVE EXISTING STEEL POLE AND ALL ATTACHED EQUIPMENT.
- REMOVE EXISTING HANDHOLE.
- REMOVE EXISTING CABINET AND FOUNDATION 12 IN. BELOW GRADE.
- CAP AND ABANDON EXISTING CONDUIT.
- ABANDON EXISTING VEHICLE DETECTION.

#### GENERAL NOTES

- VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS. ALL OTHER PAVEMENT MARKINGS ARE TO BE CONSIDERED AS EXISTING.
- GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
- ALL UNUSED CABLE SHALL BE REMOVED.



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 175 (JESSUP ROAD) AT NATIONAL BUSINESS PARKWAY  
(FORMERLY BROCK BRIDGE ROAD)  
JESSUP, MARYLAND

#### TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE AUGUST 26, 2000 CONTRACT NO. AA623A55/B55

DESIGNED BY \_\_\_\_\_ COUNTY ANNE ARUNDEL  
DRAWN BY D. URBANEK LOGMILE 02017508.91  
CHECKED BY M. WOLNIAK TMS NO. D652  
F.A.P. NO. N/A TOD NO. \_\_\_\_\_

TS NO. - 1897 DRAWING SG - 01 OF 01 SHEET NO. 1 OF 2

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIR. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

TRAFFIC SIGNAL RECONSTRUCTION  
DUE TO GEOMETRIC CHANGES  
SHA No. 02017508.91  
TMS No. D652  
F.A.P. No. N/A  
TOD No. \_\_\_\_\_

PLOTTED: Monday, September 19, 2001 AT 11:57 AM  
FILE: F:\2009\2009-0519\des\TEDD\p5G-F001\_md175\_brockbridge.dgn



The Traffic Group, Inc.  
Suite H  
9900 Franklin Square Drive  
Baltimore, Maryland 21236  
410-931-6600  
1-800-583-8411  
Fax 410-931-6601

"Merging Innovation and Excellence"®

GEOMETRIC LEGEND	
---	EXISTING
---	PROPOSED
UTILITY LEGEND	
---	STORM DRAIN
---	GAS MAIN
---	WATER MAIN
---	SEWER MAIN
---	ELECTRIC CABLES
---	AERIAL CABLES
---	TELEPHONE CABLES
---	FIBER-OPTIC
---	EX. AERIAL TO BE REMOVED

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 1 YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.